WHAT IS CLAIMED IS:

1. A driving method for a color liquid crystal display comprising:

a step of applying gamma compensations making suitable to a red transmittance characteristic, a green transmittance characteristic and a blue transmittance characteristic for an applied voltage of said color liquid crystal display to a video red signal, a video green signal and a video blue signal independently in order to obtain a compensated video red signal, a compensated video green signal and a compensated blue signal; and

a step of driving said color liquid crystal display based on said compensated video red signal, said compensated video green signal and said compensated blue signal.

2. The driving method for the color liquid crystal display according to Claim 1, wherein said gamma compensations are applied using a common voltage or a common data to said video red signal, said video green signal and said video blue signal corresponding to an area in which said red transmittance characteristic, said green transmittance characteristic and said blue transmittance characteristic for said applied voltage for said color liquid crystal display become an approximate similar characteristic curve.

3. The driving method for the color liquid crystal display according to Claim 1, wherein voltages or data used for said gamma compensations are independently set in an area from a minimum

transmittance to a maximum transmittance of each of said red transmittance characteristic, said green transmittance characteristic and said blue transmittance characteristic for said applied voltage for said color liquid crystal display.

4. The driving method for the color liquid crystal display according to Claim 3, wherein said voltages or said data are independently changeable.

5. A driving method for a color liquid crystal display comprising:

a step of applying gamma compensations, each of said gamma compensations including a first gamma compensation of voluntarily giving a luminance characteristic of a reproduced image to an input image luminance and a second gamma compensation of making suitable to a red transmittance characteristic, a green transmittance characteristic and a blue transmittance characteristic for an applied voltage of said color liquid crystal display to a video red signal, a video green signal and a video blue signal independently in order to obtain a compensated video red signal, a compensated video green signal and a compensated blue signal; and

a step of driving said color liquid crystal display based on said compensated video red signal, said compensated video green signal and said compensated blue signal.

6. The driving method for the color liquid crystal display according to Claim 5, wherein said gamma compensations are applied using a common voltage or a common data to said video red signal, said video green signal and said video blue signal corresponding

to an area in which said red transmittance characteristic, said green transmittance characteristic and said blue transmittance characteristic for said applied voltage for said color liquid crystal display become an approximate similar characteristic curve.

7. The driving method for the color liquid crystal display according to Claim 5, wherein voltages or data used for said gamma compensations are independently set in an area from a minimum transmittance to a maximum transmittance of each of said red transmittance characteristic, said green transmittance characteristic and said blue transmittance characteristic for said applied voltage for said color liquid crystal display.

8. The driving method for the color liquid crystal display according to Claim 7, wherein said voltages or said data are independently changeable.

9. A driving circuit for a color liquid crystal display comprising:

a first gamma compensating circuit for applying a gamma compensation of compensating a video red signal so as to be suitable to a red transmittance characteristic for an applied voltage in said color liquid crystal display and for outputting a compensated video red signal;

a second gamma compensating circuit for applying a gamma compensation of compensating a video green signal so as to be suitable to a green transmittance characteristic for said applied voltage in said color liquid crystal display and for outputting a compensated video green signal;

a third gamma compensating circuit for applying a gamma compensation of compensating a video blue signal so as to be suitable to a blue transmittance characteristic for said applied voltage of said color liquid crystal display and for outputting a compensated video blue signal;

a reference voltage generating circuit for supplying respectively reference voltages to said first gamma compensating circuit, said second gamma compensating circuit and said third gamma compensating circuit; and

a data electrode driving circuit for driving corresponding electrodes of said color liquid crystal display based on said compensated video red signal, said compensated green signal and said compensated video blue signal.

10. The driving circuit for the color liquid crystal display according to Claim 9, wherein said reference voltage generating circuit supplies a common reference voltage to said video red signal, said video green signal and said video blue signal corresponding an area in which said red transmittance characteristic, said green transmittance characteristic and said blue transmittance characteristic for said applied voltage in said color liquid crystal display become an approximate similar characteristic curve.

11. The driving circuit for the color liquid crystal display according to Claim 9, wherein said reference voltages are independently set for each area from a minimum transmittance to a maximum transmittance in each of said red transmittance characteristic, said green transmittance characteristic and said blue transmittance characteristic for said applied voltage in

said color liquid crystal display.

12. The driving circuit for the color liquid crystal display according to Claim 11, wherein said reference voltages are independently changeable.

13. A driving circuit for a color liquid crystal display comprising:

a first gamma compensating circuit for applying a gamma compensation to a video red signal, said gamma compensation including a first gamma compensation of voluntarily giving a luminance characteristic of a reproduced image for an input image luminance and a second gamma compensation of compensating said video red signal so as to be suitable to a red transmittance characteristic for an applied voltage in said color liquid crystal display and for outputting a compensated video red signal;

a second gamma compensating circuit for applying a gamma compensation to a video green signal, said gamma compensation including a first gamma compensation of voluntarily giving a luminance characteristic of a reproduced image for an input image luminance and a second gamma compensation of compensating said video green signal so as to be suitable to a green transmittance characteristic for an applied voltage of said color liquid crystal display and for outputting a compensated video green signal;

a third gamma compensating circuit for applying a gamma compensation to a video blue signal, said gamma compensation including a first gamma compensation of voluntarily giving a luminance characteristic of a reproduced image for an input image luminance and a second gamma compensation of compensating said video blue signal so as to be suitable to a blue transmittance

characteristic for an applied voltage of said color liquid crystal display and for outputting a compensated video blue signal;

a reference voltage generating circuit for supplying respectively reference voltages to said first gamma compensating circuit, said second gamma compensating circuit and said third gamma compensating circuit; and

a data electrode driving circuit for driving corresponding electrodes in said color liquid crystal display based on said compensated video red signal, said compensated video green signal and said compensated video blue signal.

14. The driving circuit for the color liquid crystal display according to Claim 13, wherein said reference voltage generating circuit supplies a common reference voltage to said video red signal, said video green signal and said video blue signal corresponding an area in which said red transmittance characteristic, said green transmittance characteristic and said blue transmittance characteristic for said applied voltage in said color liquid crystal display become an approximate similar characteristic curve.

15. The driving circuit for the color liquid crystal display according to Claim 13, wherein said reference voltages are independently set for each area from a minimum transmittance to a maximum transmittance in each of said red transmittance characteristic, said green transmittance characteristic and said blue transmittance characteristic for said applied voltage in said color liquid crystal display.

16. The driving circuit for the color liquid crystal display

according to Claim 15, wherein said reference voltages are independently changeable.

17. A driving circuit for a color liquid crystal display comprising:

a gradation power supply circuit for generating a plurality of red gradation voltages, a plurality of green gradation voltages and a plurality of blue gradation voltages used for independently applying a gamma compensation to a video red signal, a video green signal and a video blue signal in order to compensate said video red signal, said video green signal and said video blue signal so as to be suitable to a red transmittance characteristic, a green transmittance characteristic and a blue transmittance characteristic for an applied voltage in said color liquid crystal display; and

a data electrode driving circuit for applying a data red signal, a data green signal and a data blue signal obtained by applying said gamma compensation to said red data, said green data and said blue data and by analog-converting said red data, said green data and said blue data based said plurality of red gradation voltages, said plurality of green gradation voltages and said plurality of blue gradation voltages to corresponding data electrodes of said color liquid crystal display.

18. The driving circuit for the color liquid crystal display according to Claim 17, wherein said gradation power supply circuit generates a common gradation voltage to said video red signal, said video green signal and said video blue signal corresponding an area in which said red transmittance characteristic, said green transmittance characteristic and said blue transmittance

characteristic for said applied voltage in said color liquid crystal display become an approximate similar characteristic curve.

19. The driving circuit for the color liquid crystal display according to Claim 17, wherein said plurality of red gradation voltages, said plurality of green gradation voltages and said plurality of blue gradation voltages are independently set for each area from a minimum transmittance to a maximum transmittance in each of said red transmittance characteristic, said green transmittance characteristic and said blue transmittance characteristic for said applied voltage in said color liquid crystal display.

20. The driving circuit for the color liquid crystal display according to Claim 17, wherein said plurality of red gradation voltages, said plurality of green gradation voltages and said plurality of blue gradation voltages are independently changeable.

21. A driving circuit for a color liquid crystal display comprising:

a gradation power supply circuit for generating a plurality of red gradation voltages, a plurality of green gradation voltages and a plurality of blue gradation voltages used for independently applying a gamma compensation to a video red signal, a video green signal and a video blue signal, said gamma compensation including a first gamma compensation of voluntarily giving a luminance characteristic of a reproduced image for an input image luminance and a second gamma compensation of compensating said video blue

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signal so as to be suitable to a blue transmittance characteristic for an applied voltage of said color liquid crystal display; and

a data electrode driving circuit for applying a data red signal, a data green signal and a data blue signal obtained by applying said gamma compensation to said red data, said green data and said blue data and by analog-converting said red data, said green data and said blue data based said plurality of red gradation voltages, said plurality of green gradation voltages and said plurality of blue gradation voltages to corresponding data electrodes of said color liquid crystal display.

22. The driving circuit for the color liquid crystal display according to Claim 21, wherein said gradation power supply circuit generates a common gradation voltage to said video red signal, said video green signal and said video blue signal corresponding an area in which said red transmittance characteristic, said green transmittance characteristic and said blue transmittance characteristic for said applied voltage in said color liquid crystal display become an approximate similar characteristic curve.

23. The driving circuit for the color liquid crystal display according to Claim 21, wherein said plurality of red gradation voltages, said plurality of green gradation voltages and said plurality of blue gradation voltages are independently set for each area from a minimum transmittance to a maximum transmittance in each of said red transmittance characteristic, said green transmittance characteristic and said blue transmittance characteristic for said applied voltage in said color liquid crystal display.

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24. The driving circuit for the color liquid crystal display according to Claim 21, wherein said plurality of red gradation voltages, said plurality of green gradation voltages and said plurality of blue gradation voltages are independently changeable.

25. A driving circuit for a color liquid crystal display comprising:

a first gamma compensating section for applying a gamma compensation to a digital video red signal, said gamma compensation including a first gamma compensation of voluntarily giving a luminance characteristic of a reproduced image for an input image luminance and a second gamma compensation of compensating said digital video red signal so as to be suitable to a red transmittance characteristic for an applied voltage of said color liquid crystal display and for outputting a compensated digital video red signal;

a second gamma compensating section for applying a gamma compensation to a digital video green signal, said gamma compensation including a first gamma compensation of voluntarily giving a luminance characteristic of a reproduced image for an input image luminance and a second gamma compensation of compensating said digital video green signal so as to be suitable to a green transmittance characteristic for an applied voltage in said color liquid crystal display and for outputting a compensated digital video green signal;

a third gamma compensating section for applying a gamma compensation to a digital video blue signal, said gamma compensation including a first gamma compensation of voluntarily giving a luminance characteristic of a reproduced image for an

input image luminance and a second gamma compensation of compensating said digital video blue signal so as to be suitable to a blue transmittance characteristic for an applied voltage of said color liquid crystal display and for outputting a compensated digital video blue signal; and

a data electrode driving circuit for applying a data red signal, a data green signal and a data blue signal obtained by analog-converting said compensated red data, said compensated green data and said blue data to corresponding electrodes of said color liquid crystal display.

26. The driving circuit for the color liquid crystal display according to Claim 25, wherein said first gamma compensating section, said second gamma compensating section and said third gamma compensating section apply said gamma compensation to said red data, said green data and said blue data by operation processes.

27. The driving circuit for the color liquid crystal display according to Claim 25, wherein said first gamma compensating section, said second gamma compensating section and said third gamma compensating section previously hold said compensated red data, said compensated green data and said compensated blue data which are results of said gamma compensation corresponding to said red data, said green data and said blue data and said compensated red data, said compensated green data and said compensated blue data are read using said red data, said green data and said blue data as reference addresses so as to be corresponded in order to apply said gamma compensation.

28. The driving circuit for the color liquid crystal display according to Claim 25, wherein said first gamma compensating section, said second gamma compensating section and said third gamma compensating section independently apply said gamma compensation in each area from a minimum transmittance to a maximum transmittance of each of a red transmittance characteristic, a green transmittance characteristic and a blue transmittance characteristic for said applied voltage of said color liquid crystal display.

29. A driving circuit for a color liquid crystal display comprising:

a first gamma compensating section for applying a gamma compensation to a digital video red signal, said gamma compensation including a first gamma compensation of voluntarily giving a luminance characteristic of a reproduced image for an input image luminance and a second gamma compensation of compensating said digital video red signal so as to be suitable to a red transmittance characteristic for an applied voltage of said color liquid crystal display, said second gamma compensation including a second gamma slight compensation of executing a compensation caused by a difference among a red characteristic, a green characteristic and a blue characteristic and for outputting a compensated video red signal;

a second gamma compensating section for applying a gamma compensation to a digital video green signal, said gamma compensation including a first gamma compensation of voluntarily giving a luminance characteristic of a reproduced image for an input image luminance and a second gamma compensation of compensating said digital video green signal to be suitable to

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a green transmittance characteristic for an applied voltage of said color liquid crystal display, said second gamma compensation including a second gamma slight compensation of executing a compensation caused by a difference among said red characteristic, said green characteristic and said blue characteristic and for outputting a compensated digital video green signal;

a third gamma compensating section for applying a gamma compensation to a digital video blue signal, said gamma compensation including a first gamma compensation of voluntarily giving a luminance characteristic of a reproduced image for an input image luminance and a second gamma compensation of compensating said digital video blue signal to be suitable to a blue transmittance characteristic for an applied voltage of said color liquid crystal display, said second gamma compensation including a second gamma slight compensation of executing a compensation caused by a difference among a red characteristic, a green characteristic and a blue characteristic and for outputting a compensated digital video blue signal;

a gradation power supply circuit for generating a plurality of red gradation voltages, a plurality of green gradation voltages and a plurality of blue gradation voltages used to apply a second gamma rough compensation caused by a similarity among said red characteristic, said green characteristic and said blue characteristic to said compensated red data, said compensated green data and said compensated blue data included in said second gamma compensation making suitable to said red transmittance characteristic, said green transmittance characteristic and said blue transmittance characteristic for an applied voltage of said color liquid crystal display; and

a data electrode driving circuit for applying a data red

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signal, a data green signal and a data blue signal obtained by applying said gamma rough compensation to said compensated red data, said compensated green data and said compensated blue data and by analog-converting said compensated red data, said compensated green data and said compensated blue data based on said plurality of red gradation voltages, said plurality of green gradation voltages and said plurality of blue gradation voltages to corresponding electrodes of said color liquid crystal display.

30. The driving circuit for the color liquid crystal display according to Claim 29, wherein said first gamma compensating section, said second gamma compensating section and said third gamma compensating section apply said gamma compensation to said red data, said green data and said blue data by operation processes.

31. The driving circuit for the color liquid crystal display according to Claim 29, wherein said first gamma compensating section, said second gamma compensating section and said third gamma compensating section previously hold said compensated red data, said compensated green data and said compensated blue data which are results of said gamma compensation corresponding to said red data, said green data and said blue data and said compensated red data, said compensated green data and said compensated blue data are read using said red data, said green data and said blue data as reference addresses so as to be corresponded in order to apply said gamma compensation.

32. The driving circuit for the color liquid crystal display according to Claim 29, wherein said first gamma

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compensating section, said second gamma compensating section and said third gamma compensating section independently apply said gamma compensation in each area from a minimum transmittance to a maximum transmittance of each of a red transmittance characteristic, a green transmittance characteristic and a blue transmittance characteristic for said applied voltage of said color liquid crystal display.

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